

**New Host Records of Bruchidae (Coleoptera)
From *Desmanthus* (Leguminosae) From Texas and Mexico**

MELISSA LUCKOW AND CLARENCE DAN JOHNSON

(ML) The Department of Botany, The University of Texas at Austin, Austin, Texas 78713-7640; (CDJ) Department of Biological Sciences, Northern Arizona University, Flagstaff, Arizona 86011.

Abstract.—Nine species and two varieties of *Desmanthus* are reported as hosts from new localities in Texas and Mexico for four species of Bruchidae. New records reported include *Acanthoscelides compressicornis* feeding in the seeds of *Desmanthus painteri*, *D. pringlei*, and *D. virgatus* var. *glandulosus*; *A. pectoralis* in the seeds of *D. reticulatus*; and *A. desmanthi* in the seeds of *D. subulatus*. Other species of *Desmanthus* reported as hosts for bruchids are *D. covillei*, *D. obtusus*, *D. velutinus*, *D. virgatus* var. *depressus*, *D. virgatus* var. *virgatus*, and *D. fruticosus*.

The bruchids *Stator pruininus* and several species in the genus *Acanthoscelides* have been reported to feed in the seeds of species of *Desmanthus* from the United States to Central America (Bottimer, 1969; Center and Johnson, 1974, 1976; Johnson, 1970, 1977, 1983, 1984; Johnson and Kingsolver, 1976). It also has been observed by CDJ that bruchids feed in the seeds of *Desmanthus* in northern South America.

Recently a number of new host records from new localities in Texas and Mexico were obtained by ML in the course of her work on the systematics of *Desmanthus*. Because of ongoing research on bruchids and their hosts, these records are published here to make them available for studies on bruchid-host interactions. New records found and reported upon here include *Acanthoscelides compressicornis* feeding in the seeds of *Desmanthus painteri*, *D. pringlei*, and *D. virgatus* var. *glandulosus*; *A. pectoralis* in the seeds of *D. reticulatus*; and *A. desmanthi* in the seeds of *D. subulatus*.

Desmanthus virgatus var. *glandulosus* Turner is believed to be a distinct and separate species more closely related to *D. velutinus* and *D. cooleyi* than *D. virgatus* by ML so we are listing it here under its currently accepted name pending further study.

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NEW HOST RECORDS

Acanthoscelides compressicornis (Schaeffer)

1. *Desmanthus covillei* (Britton & Rose) Wiggins ex Turner: Mexico. Sonora: Mpio Cd. Obregon: 3 mi NW Santini on Hwy 15, 26 August 1985 (ML 2806).

2. *Desmanthus obtusus* S. Wats.: Texas. Upton Co.: 2 mi W Rankin on Hwy 67, 5 August 1985 (ML 2737). Reagan Co.: 9 mi W Big Lake on Hwy 67, 5 August 1985 (ML 2738).

3. *Desmanthus painteri* (Britton & Rose) Standley: Mexico. Coahuila: Mpio Arteaga: 8.1 mi SE turnoff to San Antonio de Las Alazana on Rte 57, 2 July 1985 (ML 2641).

4. *Desmanthus pringlei* (Britton & Rose) Hermann: Mexico. Nuevo Leon: Mpio Allende: 1.7 mi N of Allende on Hwy 85, 2 July 1985 (ML 2640).

5. *Desmanthus velutinus* Scheele: Texas. Reeves Co.: 10.6 mi W jctn Hwy 290 on Hwy 10, 21 August 1985 (ML 2750). Travis Co.: Big Sandy Creek Park outside of Austin, 31 July 1985 (ML 2709). Val Verde Co.: Pecos River near intersection with Hwy 10, 2 August 1985 (ML 2721).

6. *Desmanthus virgatus* var. *depressus* (H. & B.) Turner: Texas. Uvalde Co.: Sabinal Cemetery, 1 mi E Sabinal on Hwy 90, 2 August 1985 (ML 2713).

7. *Desmanthus virgatus* var. *glandulosus* Turner: Texas: Brewster Co.: Iron Mt. Ranch, plateau just below Gilliland Peak near the main ranch house, 3 August 1985 (ML 2729).

Acanthoscelides pectoralis (Horn)

1. *Desmanthus reticulatus* Benth.: Texas. Uvalde Co.: Sabinal Cemetery, 1 mi E Sabinal on Hwy 90, 2 August 1985 (ML 2712).

Acanthoscelides desmanthi Johnson

1. *Desmanthus subulatus* (Britton & Rose) Wiggins ex Turner: Mexico. Sinaloa: Mpio Mazatlan: Hwy 15, 3.8 mi NW of Rio San Lorenzo, 8 January 1986 (ML 2980).

2. *Desmanthus virgatus* (L.) Willd. var. *virgatus*: Mexico. Guerrero: Mpio Tecpan: 12 mi W of bridge at San Luis on Hwy 200, 13 March 1985 (ML 2615).

Stator pruininus (Horn)

1. *Desmanthus fruticosus* Rose: Mexico. Baja Sur: Mpio Todos Santos: 2.4 mi S of Todos Santos on Hwy 19, 30 August 1985 (ML 2823).

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